

**Amendments to the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

1. (Currently Amended): A ceramic heater comprising:  
a sintered ceramic plate including,  
a heating element formed inside the sintered ceramic plate,  
a bottomed hole made, being directed from an opposite side to a heating surface for heating an object to be heated, toward the heating surface,  
a bottom portion of said bottomed hole formed relatively nearer to the heating surface than the heating element, and  
a ~~temperature-measuring element~~ sheath type-thermocouple included in said bottomed hole and pressed on the bottom portion of said bottomed hole.

Claim 2 (Previously Presented): The ceramic heater according to claim 1,  
wherein a distance between the bottom portion of said bottomed hole and said heating surface is from 0.1 mm to 1/2 of the thickness of the ceramic plate.

Claim 3 (Original): The ceramic heater according to claim 1,  
wherein the ceramic constituting said ceramic heater is a nitride ceramic or a carbide ceramic.

Claim 4 (Original): The ceramic heater according to claim 1,  
wherein said heating element is divided into at least two circuits.

Claim 5 (Original): The ceramic heater according to claim 1,  
wherein said heating element has a section in a flat shape.

Claims 6-9 (Canceled).

10. (Currently Amended): The ceramic heatex according to claim 1,  
wherein said ~~temperature-measuring element~~ sheath type thermocouple is pressed  
thereon, by means of an elastic body or a screw.

Claims 11-12 (Canceled).

Claim 13 (Currently Amended): The ceramic heater according to claim 1,  
wherein said bottomed hole is formed by sandblast ~~instrument~~ treatment or drilling.

Claim 14 (Previously Presented): The ceramic heater according to claim 1,  
wherein said heating element is made of tungsten, molybdenum, a carbide of tungsten  
or a carbide of molybdenum.

Claim 15 (New): The ceramic heater according to Claim 1,  
wherein said sheath type thermocouple is connected to a control unit.

Claim 16 (New): A ceramic heater comprising:  
a sintered ceramic plate including,  
a rectangular-section heating element formed inside the sintered ceramic plate and  
having an aspect ratio of a width to a thickness of the heating element in a range from 200 to  
5000,

a bottomed hole made, being directed from an opposite side to a heating surface for  
heating an object to be heated, toward the heating surface,

a bottom portion of said bottomed hole formed relatively nearer to the heating surface  
than the heating element, and

a temperature-measuring element included in said bottomed hole and pressed on the  
bottom portion of said bottomed hole.